Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 21 Sep 2023 until 23:59 on Friday 22 Sep 2023

Forecast Issued on Wednesday 20 Sep 2023 at 16:41

Confidence: High for a generally unsettled period of weather with a mix of sunshine and showers.

Headline for Thursday 21 Sep 2023: Sunshine and occasionally heavy showers with a risk of thunder.

Mountain weather hazards on Thursday 21 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** No Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Sunny	Sunny intervals	Heavy rain showers	Light rain showers	Clear night	Clear night
Precipitation probability							
00%	00%	00%	20%	50%	30%	00%	00%

Forecast for Thursday 21 Sep 2023

Weather: A dry start with some clear spells through the early hours. Sunshine and showers developing through the morning, these occasionally heavy and blustery with a risk of thunder. Turning drier and clearer into the late afternoon and evening. Feeling breezy, especially in the heavier showers.

Chance of cloud-free hill tops above 600m: Greater than 90%

Low cloud and visibility: Generally very good or excellent, but occasionally moderate or poor in the heavier showers. Bases mainly above the tops, perhaps falling to 500 m in the heavier showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 21 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/28 SW	17/24 SW	16/22 SW	16/22 SW	15/22 SW	14/19 SW	9/13 W	10/14 SW	12/16 SW
300	12/21 SW	12/20 SW	10/18 S	13/19 SW	12/19 SW	10/16 SW	6/10 SW	7/11 SW	8/12 SW
Valley	7/20 SW	7/19 SW	6/17 S	9/17 SW	8/16 SW	9/16 SW	4/10 W	4/11 SW	4/11 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/4	7/3	7/3	8/4	10/6	10/7	9/6	7/5	6/3
300	10/7	9/7	9/7	11/8	12/10	13/11	11/10	10/8	8/6
Valley	10/8	9/7	9/7	11/10	14/12	14/12	12/11	10/9	9/8
Freezing Level*	1600m	1500m	1600m	1600m	1700m	1700m	1700m	1500m	1600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Showers possible from late morning and through much of the afternoon, with conditions changing quickly under the showers, although some parts may see very little rain.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 20 Sep 2023	N/A	N/A	N/A

Forecast for Friday 22 Sep 2023

Weather: Dry and clear at first, with light winds. A band of rain, which could turn heavy and persistent at times, is expected to move east through early hours, with more widespread showers then developing through the day. Again these showers carry a slight chance of thunder. Showers easing into the evening. Breezy throughout.

Maximum wind: Northwesterly 15-20 mph with gusts of 25-30 mph.

Chance of cloud-free hill tops above 600m: 80%

Low cloud and visibility: Generally very good or excellent, but occasionally moderate or poor in the heavier showers. Bases mainly above the tops, perhaps falling to 500 m in the heavier showers.

Temperature: **Valleys:** Plus 10 Celsius.
At 600m: Plus 8 Celsius.
Freezing level: Above the summits.

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